From: GT1100@DNVPS.com [mailto:GT1100@DNVPS.com]

Sent: Thursday, May 23, 2013 8:10 PM **To:** eagle.virginia@aet-tankers.com

Cc: rlove@aet-tankers.com

Subject: EAGLE VIRGINIA, FUEL ANALYSIS REPORT, FUJAIRAH, 21-MAY-2013, SAMPLE: FUJ1306091

To: The Master Of 'EAGLE VIRGINIA'

Attn: Chief Engineer

Cc: AMERICAN EAGLE TANKERS, INC. Attn: Mr Robert Love, Bunker Manager

DNV Petroleum Services - Fuel Analysis Report dated: 23-May-2013

Vessel: EAGLE VIRGINIA (9230878)

Sample Number Product Type Bunker Port Bunker Date Sampling Point Sampling Method Sent From Date Sent Arrived at Lab Supplier Loaded From Quantity per C.Eng.	EU 21-1 SHIP CONTINU 22-1 22-1		
Seal data DNVPS,	SEAL INTACT,	7357403	
Related Samples Supplier Ship SHIP MARPOL MARPOL		7357401 7357404 7357402 10564	
Receipt Data Source Of Data Density @ 15°C Viscosity @ 50°C Sulfur Volume Quantity	Unit kg/m³ mm²/s % m/m m³ MT	B.D.N 989.2 33.0 0.90 UNKNOWN 292.662	
Tested Parameter Density @ 15°C Viscosity @ 50°C Water Micro Carbon Residue Sulfur Total Sediment Potential Ash Vanadium Sodium Aluminium	Unit kg/m³ mm²/s % V/V % m/m % m/m % m/m mg/kg mg/kg mg/kg	Result 988.3 43.2 0.3 5 1.26 0.01 0.02 23 11 16	RMG380 991.0 380.0 0.5 18 1.00 0.10 0.15 300

Silicon	mg/kg	15	
Iron	mg/kg	7	
Nickel	mg/kg	10	
Calcium	mg/kg	5	
Magnesium	mg/kg	1	
Zinc	mg/kg	LT 1	
Phosphorus	mg/kg	LT 1	
Potassium	mg/kg	6	
Pour Point	°C	27	30
Flash Point	°C	GT 70	60
Acid Number	mg KOH/g	0.07	
Strong Acid Number	mg KOH/g	0.00	
)			
Calculated Values			
Aluminium + Silicon	mg/kg	31	80
Net Specific Energy	MJ/kg	40.70	
CCAI (Ignition Quality)	-	877	

Note:

LT means Less Than, GT means Greater Than.

Specification Comparison:

Results compared with your amended ISO 8217:2005 specification RMG380, table 2.
Based on this sample please note the following:

- Significantly Exceeds : Sulfur

Note: Sulfur has been retested and confirmed.

Operational Advice :

Approximate fuel temperatures:

Injection:

 95° C for $10 \text{ mm}^2/\text{s}$

 80°C for $15~\text{mm}^2/\text{s}$

70°C for 20 mm²/s

65°C for 25 mm²/s

Transfer :

40°C

Sulfur - Based on this commercial sample, the fuel oil is potentially non-compliant if used within a designated Emission Control Area (ECA, ref. MARPOL Annex VI Reg. 14(4)). It is recommended that the situation is recorded through a Note of Protest(NoP). See DNVPS Instruction Manual. Please note that

the official MARPOL sample provided by the supplier is the governing sample regarding the compliance with this statutory requirement.

Pour point - Maintaining a fuel temperature about 10°C above the pour point is recommended for satisfactory storage.

Best Regards, On behalf of DNV Petroleum Services Pte Ltd Nivin Paul Panackal Assistant Technical Support Engineer

End of Report for EAGLE VIRGINIA

Reference to part(s) of this report which may lead to misinterpretation is prohibited.

NOTE: Please note that our lab in Oslo is no longer in operation. The latest revision(revision 25, November 2012) of our Air Courier Directory contains instructions on which lab samples should be sent to. Reporting may be delayed for samples that from now on arrive in Oslo. If you have any questions or do not have the latest version of the air courier directory onboard, please contact your nearest DNVPS office.

For technical or operational advice or further information on this report please contact your nearest DNVPS office or contact us directly at

Tel : +971 9 2228152 Email : Fujairah@dnvps.com